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The only insects found visiting the plants were two species of ants, and a very small but active grasshopper. Not only is there a drop of the richest and sweetest nectar at the base of the style, but the cells of the entire flower are saturated with saccharine material. The flowers are frequently found with stamens, style, and a large portion of the corolla eaten away. The actions of the grasshopper are noteworthy. From his position in the heart of a flower he will leap lightly up through the anthers above him, and alight, possibly in or upon another flower, but more frequently upon a spine of the plant, which he will neatly grasp, preventing himself from being impaled. In this way the pollen is unavoidably scattered. I was unable to catch one of the active little creatures, so I cannot say what appendages or arrangements he may have for conveying the pollen about his person.

In conclusion, I would remark that a large plant, consisting of many heads or stems, grew in the dooryard of a house where I spent some time. While the plant was blooming I watched it closely for the appearance of insects, but could never see any upon it. It produced no fruit, nor, as I was informed, has it done so during the years that it has grown and bloomed there; a fact which may, or may not be significant.

Silver City, New Mexico.

HENRY H. RUSBY.

§ 87. **Fasciation.**—Instances of this deformity appear to be very frequent this season. I have lately had sent me from this neighborhood a specimen of *Leucanthemum vulgare*, Lam., in which two heads were united at the summit of the flattened stem. Now, I have a remarkable specimen of *Rudbeckia hirta*, L., in which four heads are so united, forming a rosette of considerable beauty.

Brown University, July 13th, 1881. W. WHITMAN BAILEY.

§ 88. **Botrychium simplex** was found near Salem, Mass., by J. H. Sears, June 26th. The specimens were first rate, and four were found with *B. lanceolatum*, *B. matricariaefolium* and *B. Virginianum*.
Salem, Mass.

JOHN ROBINSON.

§ 89. **Plant Exchanges.**—ERICACEAE WANTED.—I am anxious to obtain flowers and buds, in all stages of development, of the rarer and less accessible species of the *Ericaceae*, and will be glad to exchange for them species of plants from New Mexico.

Silver City, New Mexico.

H. H. RUSBY.

FOR EXCHANGE.—I have found within the limits of this city, *Carex tetanica*, Schk., *C. Muhlenbergii*, var. *enervis*, Boott, very distinct; also the genuine *Eragrostis pilosa*, Beauv., and *E. Purshii*, Schrad. The latter, as I understand it, also according to Dr. Geo. Vasey, has often been regarded by many collectors as *E. pilosa*, though it is very different. I will send any or all of the above to any one for my desiderata.

Yonkers, N. Y.

E. C. HOWE.

FOR EXCHANGE.—I have for exchange, *Petalostemon foliosus*, which grows abundantly in this neighborhood in a single locality—the only one that I know of in Illinois.

Astragalus Plattensis, var. *Tennesseensis*, is also common here.
Ottawa, Ill. H. L. BOLTWOOD.

§ 90. **Florida Ferns.**—Mr. A. H. Curtiss, Jacksonville, Fla., has sent us a set of his second fascicle of Southern Ferns. The specimens have the perfection for which Mr. Curtiss's preparations are famous, and, as will be seen by the following enumeration, are of particular interest: 1. *Pteris longifolia*, L.; 2. *P. Cretica*, L.; 3. *P. aquilina*, var. *caudata*, the specimen consisting of lowest divisions of lowest branches of plants 6–8 feet high; 4. *P. serrulata*, L. f., from the grounds of Charleston College; 5. *Adiantum Capillus-Veneris*, L.; 6. *Asplenium dentatum*, L.; 7. *A. firmum*, Kunze; 8. *A. parvulum*, Mart. & Gale.; 9. *A. myriophyllum*, Presl; 10. The unheralded *Aspidium trifoliatum*, Swz., from Western Florida; and, 11. *Aneimia adiantifolia*, Swz.

The price of the set, post paid, is \$1.50, 25 cents off for extra copies in one package. Mr. Curtiss also offers a second series of his first fascicle, minus *Ceratopteris*, nearly all from different localities, for \$1.25.

§ 91. **Botanical Literature.**—*The Marine Algae of New England and Adjacent Coast.* By W. G. Farlow, M.D. (Reprinted from Report of U. S. Fish Commission) 8vo, pp. 210, with 15 plates. Washington, 1881.—This long needed addition to our cryptogamic literature, although originally presented as a "report," is in reality a manual, which, in a compact and more or less popular form, gives descriptions of the different orders and species of sea-weeds (exclusive of the Diatoms) found on our coast between Eastport, Me., and the State of New Jersey; and, by means of which, any person visiting the seashore within the limits just named can readily determine any of the forms that may be found. To facilitate the work of determination, and to enable amateurs who are little or not at all acquainted with our sea-weeds to ascertain with some degree of accuracy the genera to which the collected specimens are to be referred, an artificial key to genera is appended to the descriptive portion of the text. Following the introduction, which gives a résumé of the literature relating to American marine algae and an account of the distribution of our species, there is a short but comprehensive sketch of the general structure and classification of sea-weeds, which will prove of special value to the student, inasmuch as there is no generally accessible book in the English language which gives a good account of the modern views of classification and structure of these cryptogams. This portion of the work concludes with full directions for collecting and preparing sea-weeds, and then follow the descriptions of the orders, genera and species. The descriptions of the species are exceedingly perspicuous, and, in framing them, it has evidently been the author's intention, by avoiding technicality, to make his work as valuable to the amateur collector as to the scientific botanist.

No one who contemplates visiting the coast for the purpose of collecting marine algae can well afford to go unprovided with this work, which, we are informed, has been placed on sale at Mr. Geo. A. Bates's Naturalists' Bureau, Salem. Mass.